

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V96300958	Software:	BD FACSDiva 9.0
Input Device:	Carousel	Date:	05/22/2023 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/16/2023 10:20 AM
Cytometer Configuration:	Canto II Config 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910858
Lot ID: 82158 **Expiration Date:** 08/31/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124420	-1	1.80	124638	1.78
Blue	F	SSC	125000	123185	-2	1.79	123740	1.78
Blue	E	FITC	20434	19986	-3	2.45	419	20.96
Blue	D	PE	34399	33187	-4	1.68	700	13.19
Blue	B	PE-Cy5	48387	47162	-3	3.63	1339	19.70
Blue	A	PE-Cy7	34835	33975	-3	5.48	752	29.54
Red	C	APC	54234	54011	-1	3.00	1735	12.76
Red	A	APC-Cy7	42473	42328	-1	3.10	1241	12.85
Violet	B	DAPI	10884	10306	-6	3.17	746	13.12
Violet	A	AmCyan	41787	40605	-3	2.92	1012	14.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	13301	13.13	550	-15	N/A	N/A	Pass
Blue	F	SSC	57325	1.17	391	-7	N/A	N/A	Pass
Blue	E	FITC	77	76.98	447	-12	0.0224	518	Pass
Blue	D	PE	145	46.90	477	-13	0.2402	343	Pass
Blue	B	PE-Cy5	247	55.93	614	-16	0.0106	357	Pass
Blue	A	PE-Cy7	145	77.16	629	-14	0.0197	49	Pass
Red	C	APC	386	27.71	662	-5	0.0257	133	Pass
Red	A	APC-Cy7	253	30.39	523	-1	0.0043	489	Pass
Violet	B	DAPI	105	74.94	441	-2	0.0611	6769	Pass
Violet	A	AmCyan	154	74.69	505	3	0.0202	10316	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.80	47.84 - 71.76	N/A	N/A	-30.37	-29.88	1.16
Blue	20.25	16.19 - 24.29	1.41	1.14 - 1.70	0.00	0.00	1.48
Red	18.51	14.40 - 21.60	N/A	N/A	27.52	27.97	1.27

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9575

Fluidics

FACSFlow Pressure: 4.50 Sample Pressure: 4.40
Spec.: 4.40 - 4.60

Comments